TWENTY-YEAR INDEX
TO
JOURNAL OF MAMMALOGY
1919-1939

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Twenty-Year Index

TO

Journal of Mammalogy

VOLUMES 1—20 INCLUSIVE

1919–1939

VIOLA S. SCHANTZ
Chairman Special Index Committee
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INTRODUCTION

The American Society of Mammalogists was founded on April 3, 1919, and issued the first number of its publication, the Journal of Mammalogy, on November 28, 1919. The first volume contains five numbers issued during the years 1919 and 1920. Subsequently, volumes have been issued annually, each comprising four numbers. The Board of Directors of the Society in 1936 recommended that an analytical index should be prepared for the first twenty volumes, consisting of 8,507 printed pages, and authorized the appointment of a committee to supervise the compilation.

The plan for indexing the first twenty volumes of the Journal of Mammalogy was formulated by the original Index Committee appointed by the President of the Society, H. E. Anthony, in May 1936. This committee consisted of: Arthur H. Howell, Chairman, J. Kenneth Doutt, Hartley H. T. Jackson, Remington Kellogg and E. A. Preble. This committee functioned until the resignation of the chairman on April 1, 1939. Subsequently, Hartley H. T. Jackson, president of the Society, acted as chairman until September 28, 1939 when Arnold L. Nelson accepted the chairmanship of this committee. Mr. Nelson served until August 13, 1942, with a reconstituted committee consisting of the following: Emma M. Charters, William H. Cheesman, J. Kenneth Doutt, Arthur H. Howell, Hartley H. T. Jackson, Paul B. Johnson, Edward A. Preble, Clifford C. Presnall, H. Harold Shamel, Clarence F. Smith and Albert H. Trowbridge. The original draft of this Index was prepared and about 18 per cent of the synonyms were supplied while Mr. Nelson served as Chairman. On January 12, 1943, President A. Brazier Howell designated Viola S. Schantz as chairman of the following committee: Emma M. Charters, J. Kenneth Doutt, Hartley H. T. Jackson, David H. Johnson, Arnold L. Nelson, Clifford C. Presnall and H. Harold Shamel. President Howell also appointed Viola S. Schantz as Index Editor on June 7, 1943. President Hall appointed Emma M. Charters as junior editor on February 9, 1945. The last Chairman of the committee, Viola S. Schantz, was handicapped for lack of clerical help due to war conditions, and the removal of the Fish and Wildlife Service headquarters offices from Washington to Chicago. The original draft of the Index was therefore not recopied, and the Chairman did most of the work herself as no carbon copies were available. She completed her task of supplying the synonyms of the Index, collated the manuscript for inconsistencies and marked it for the printers. This committee brought about the publication of the Index.

COMPILERS

The following members of the American Society of Mammalogists compiled the index for the first twenty volumes of the Journal of Mammalogy:

Volume	1.	Carolyn Sheldon Murdock	Volume 11.	Colin C. Sanborn
	2.	Viola S. Schantz	12.	Ruben A. Stirton
	3.	William H. Marshall	13.	E. Vance Komarek
	4.	Charles C. Sperry	14.	Ivan R. Tomkins
	5.	Ian McT. Cowan	15.	Tracey I. Storer
	6.	Earle L. Poole	16.	William T. Shaw
	7.	John Eric Hill	17.	George H. Lowery
	8.	Olaus J. Murie	18.	William B. Davis
	9.	Seth B. Benson	19.	William B. Davis
	10.	Robert T. Orr	20.	Shaler E. Aldous

ARRANGEMENT

1. The index references are placed as follows: Scientific name in full; after the name the locality or localities mentioned (state or province in North America; and nation or country for any other region). Under the scientific name of all of the following items pertaining to the animal named are listed: original description; description; habits; revision; map; anatomy; disease; genetics; pelage; weight; fossil; and others as listed below on pages v to vii. The subdivisions of these subjects are not listed under heading of species:

Examples:
Pipistrellus hesperus, 17–257, rev., map
Pipistrellus hesperus hesperus, 17–257, Ariz., Calif., Nev., Oreg., Utah, Wash., L. Calif.
Sylvilagus palustris paludicola, 17–197, Fla., hab.
Pipistrellus hesperus maximus, 17–261, orig. desc., N. Mex., Tex.
Dipoides williamsi, 17–279, foss., orig. desc.

If no locality is given, the name is listed with the subject treated.

Examples:
Peromyscus polionotus, 17–248, gen.
Gray squirrel, 17–249, migr.

Mammal names are listed in food of predators.

Example:
Microtus (as food), 17–241

Names and combinations in synonymy are listed as follows:

Example:
Pipistrellus hesperus apus, 17–260, syn.

All scientific names used in comparisons are listed if any information is given.

Example:
D[ipoides] major, 17–279, comp.

2. No subjects or localities are given with vernacular names.

Examples:
Florida marsh rabbit, 17–197
Muskrat, 17–213
Water shrew, 17–209

3. Cross references are made for each locality where a species is mentioned (not for generic names without species); under the locality the generic name is given.

Examples:

Arizona:
Pipistrellus, 17–258
Dipoides, 17–259
New Mexico:
Pipistrellus, 17–261
Nova Scotia:
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South Africa:
Graphiurus, 17–292

4. Separate cross references are made for each subject.

Examples:

Daily rhythm:
Sylvilagus, 17–197
Decerebration:
Dipodomys, 17–379
Food:
Mephitis, 17–240, 256
Swimming:
Sylvilagus, 17–198

Under the group headings (anatomy, habits, etc.) each individual subject is treated separately:

ANATOMY (including physiology)

attrition (of teeth)
auditory bullae
auditory ossicles
baculum
brain
circulatory system
decerebration
dentition
differential growth (skull)
digestive system
embryo (foetus)
extrusive growth (of teeth)
gestation
gland
litter
mammae (supernumerary)
myology
nervous system
occlusion (of teeth)
parturition
placentation
pouch (marsupium)
reproduction
reproductive tract
respiration
sex character
temperature (body)
urogenital system

DISEASE

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anthrax
Bang's disease
bubonic plague
calculi
cholesteatoma
congestion of lungs
distemper
enteritis
epidemic
epilepsy
epizootic
fibroma
heart disease
hemorrhagic septicemia
infection
lumpy jaw
lung fluke
malignant catarrh
mange
necrosis
necrotic stomatitis
neurofibromatosis
onchocerca flexuosa
paralysis
parasites
plague
pneumonia
pyemia
rabies
rickets
scabies
skin disease
tuberculosis
tularemia
tumors
ulcers

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color inheritance
color pattern
cross breeding
fertility
gene
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headdot spotting
heredity
heterozygous
homozygous
hooded pattern
hybridism
inheritance
intergradation
lethal characters
malformation
melanism
Mendelian inheritance
multiple factor hypothesis
mutation
out-cross
pigmentation
recessive factor
sibs
spotting
waltzing character
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domestication
drinking
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emasculation
feeding
fighting
fishing
flying
food
foraging
"freezing"
gait
gliding
grooming
growth
hibernation
hiding
home range
homing instinct
house
hunting
intelligence
interrelations
leaping (saltatorial or ricochetal)
longevity
maternal behavior
mating
mental attributes
migration
monogamy
nests
nocturnal
play
polygamy
predation
roosts
running (cursorial)
runways
rutting
sanitation
scats
seasonal movements
signals
sleeping
slides
sociability
speed
swimming (natatorial)
taming
temperament
tracks
trails
voice
walking (ambulatorial)
winter activity

PELAGE

albinism
color phase
color variation
dichromatism
facial vibrissae
melanism
molt
pelage change

MISCELLANEOUS SUBJECTS

adaptation
age determination
banding
bat caves
beaver dams
censuses
collecting methods
collections (museum)
coloration (concealing, revealing, warning, directive)
conservation
control methods
cycles
drive
ecology
enemies
evolution
fluctions
fur farming
fur production
fur use
game law
game management
hair counts (taxonomy)
introduction
life history methods
life zones (discussion)
marking
measuring (method)
museum methods
nomenclature
paleontology
photography
population
proportions (bodily)
protection
radiation (in evolution)
replacement (ecology)
speciation
taxonomy
tracking
trapping
traps

ABBREVIATIONS USED (GENERAL)

anat.	anatomy	nomen.	nomenclature
coll.	collection	obit.	obituary
comp.	comparison	orig. desc.	original description
conserv.	conservation	par.	parasite
desc.	description	pelage	pelage
dis.	disease	photo.	photograph
distr.	distribution	phyl.	phylogeny
ecol.	ecology	phys.	physiology
evol.	evolution	pop.	population
fd.	food	prot.	protection
foss.	fossil	ref.	reference
gen.	genetics	rev.	revision
hab.	habits	syn.	synonomy
introd.	introduced	tax.	taxonomy
meas.	measurements	wt.	weight
migr.	migration		

(GEOGRAPHIC)

Ala.	Alabama	Nebr.	Nebraska
Ariz.	Arizona	Nev.	Nevada
Ark.	Arkansas	N. H.	New Hampshire
Calif.	California	N. J.	New Jersey
Colo.	Colorado	N. Mex.	New Mexico
Conn.	Connecticut	N. Y.	New York
Del.	Delaware	N. C.	North Carolina
D. C.	District of Columbia	N. D.	North Dakota
Fla.	Florida	N. W. Terr.	Northwest Territories
Ga.	Georgia	O.	Ohio
Ida.	Idaho	Okla.	Oklahoma
Ill.	Illinois	Oreg.	Oregon
Ind.	Indiana	Pa.	Pennsylvania
Ia.	Iowa	R. I.	Rhode Island
Kan.	Kansas	S. Amer.	South America
Ky.	Kentucky	S. C.	South Carolina
La.	Louisiana	S. Dak.	South Dakota
L. Calif.	Lower California	Tenn.	Tennessee
Me.	Maine	Tex.	Texas
Mex.	Mexico	U. S.	United States of America
Md.	Maryland	U.S.S.R.	Union of Soviet Socialist Republics
Mass.	Massachusetts		
Mich.	Michigan	Vt.	Vermont
Minn.	Minnesota	Va.	Virginia
Miss.	Mississippi	Wash.	Washington
Mo.	Missouri	W. Va.	West Virginia
Mont.	Montana	Wisc.	Wisconsin
N.	North	Wyo.	Wyoming

NOTICE

All geographic references to Japan refer to the Japanese Empire as it existed at the time the article was published. Under the heading Japan are: Bonin Ids., Botel Tobago, Caroline Ids., Formosa, Korea, Kurile Ids., Mariana Ids., Marshall Ids., Quelpart Id., Riu Kiu Ids., and Saghalien Id.

ACKNOWLEDGMENTS

Mention has been made of those that assisted with the compilation of the index. Especial credit is to be given to Emma M. Charters, who assembled, double-checked and annotated the cards prepared by the indexers, and typed the original manuscript. The chairman was assisted by the following in again rechecking all the references, since some of the indexers had given the title references instead of the page references: Emma M. Charters, Rosa Lee Garvey, David H. Johnson and H. Harold Shamel. The chairman consulted with Paul H. Oehser with regard to editorial matters; with H. H. T. Jackson and T. S. Palmer as to the full names of authors; and with Remington Kellogg as regards current scientific names. The following members assisted with the galley proof-reading: William B. Davis, J. Kenneth Doutt, Caroline Heppenstall and Remington Kellogg.

VIOLA S. SCHANTZ,
Chairman of the Index Committee.

CONCORDANCE

Year	*Volume*	*Number*	*Pages*	*Actual Date of Publication*
1919 & 1920	1	1	1– 52	November 28, 1919
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		3	111–160	June 19, 1920
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		4	305–402	November 2, 1932

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		3	183–292	August 17, 1933
		4	293–407	November 13, 1933
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